

FIG. 1

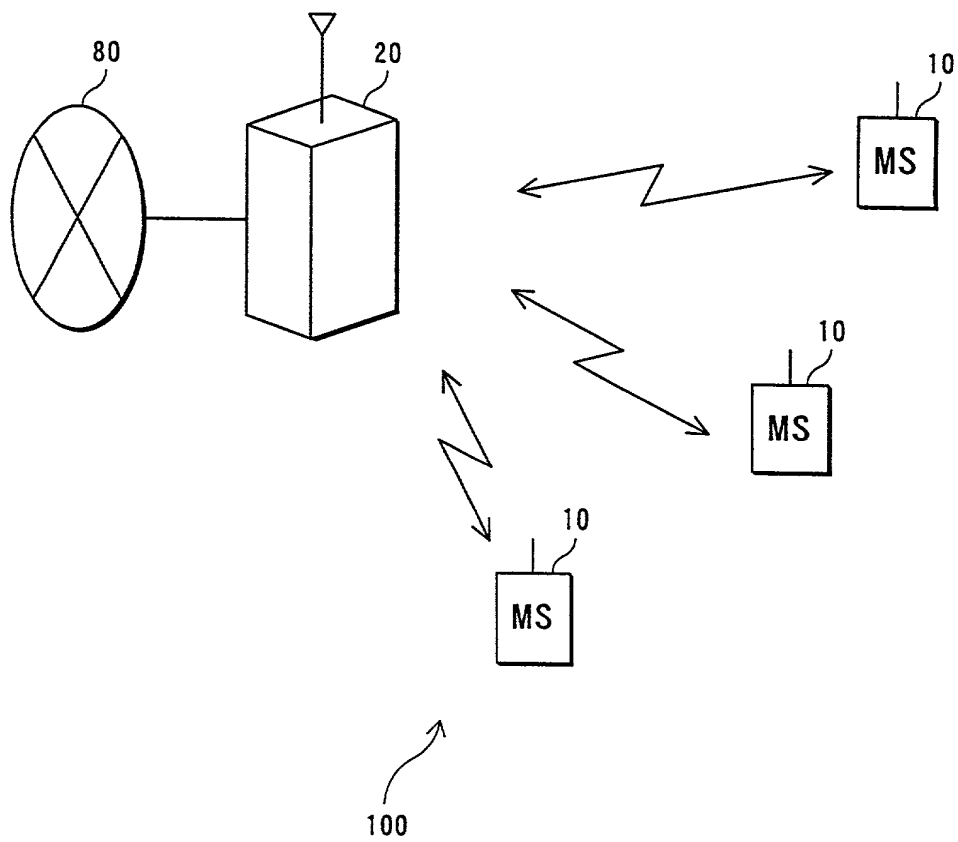


FIG. 2

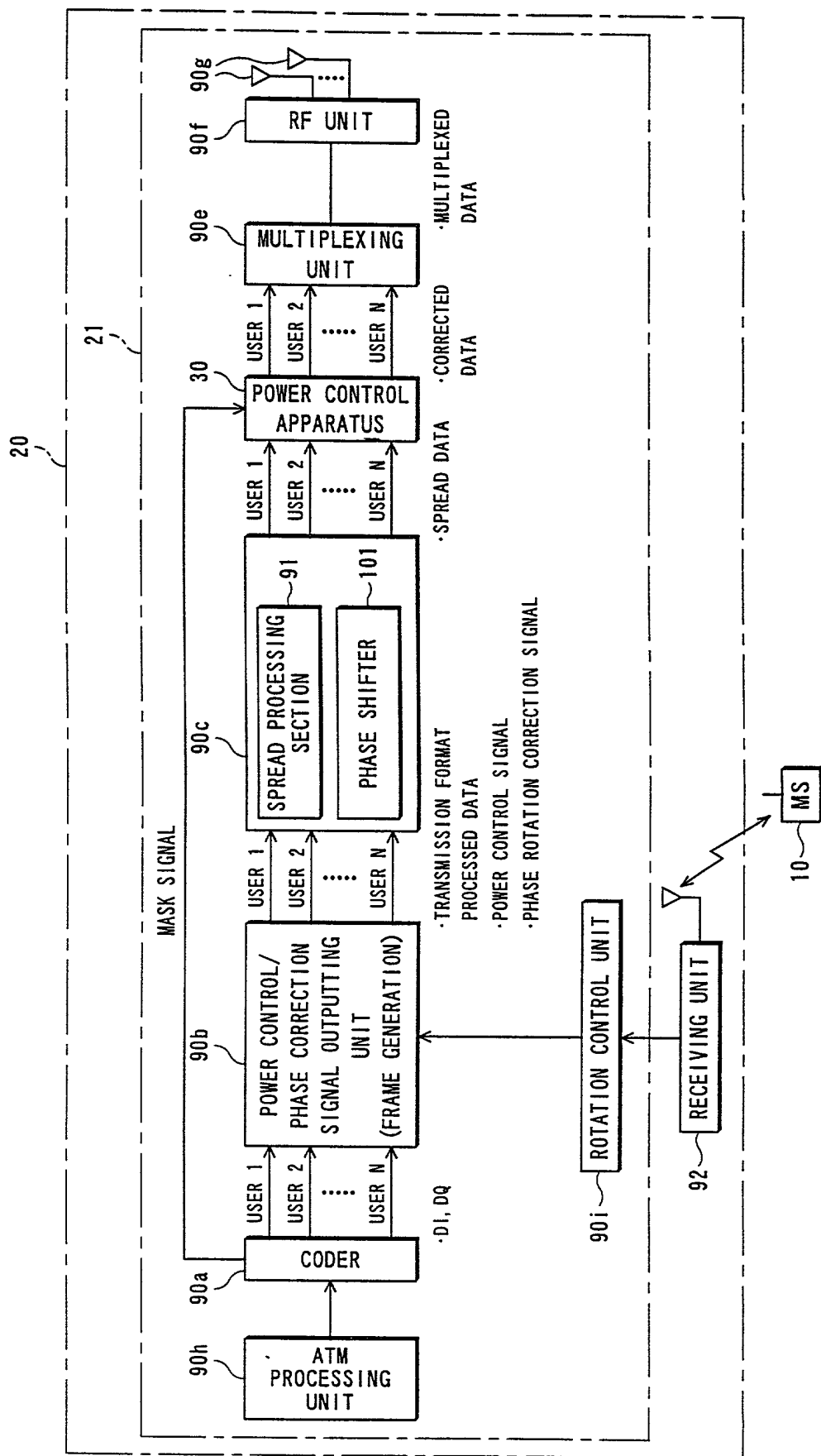


FIG. 3

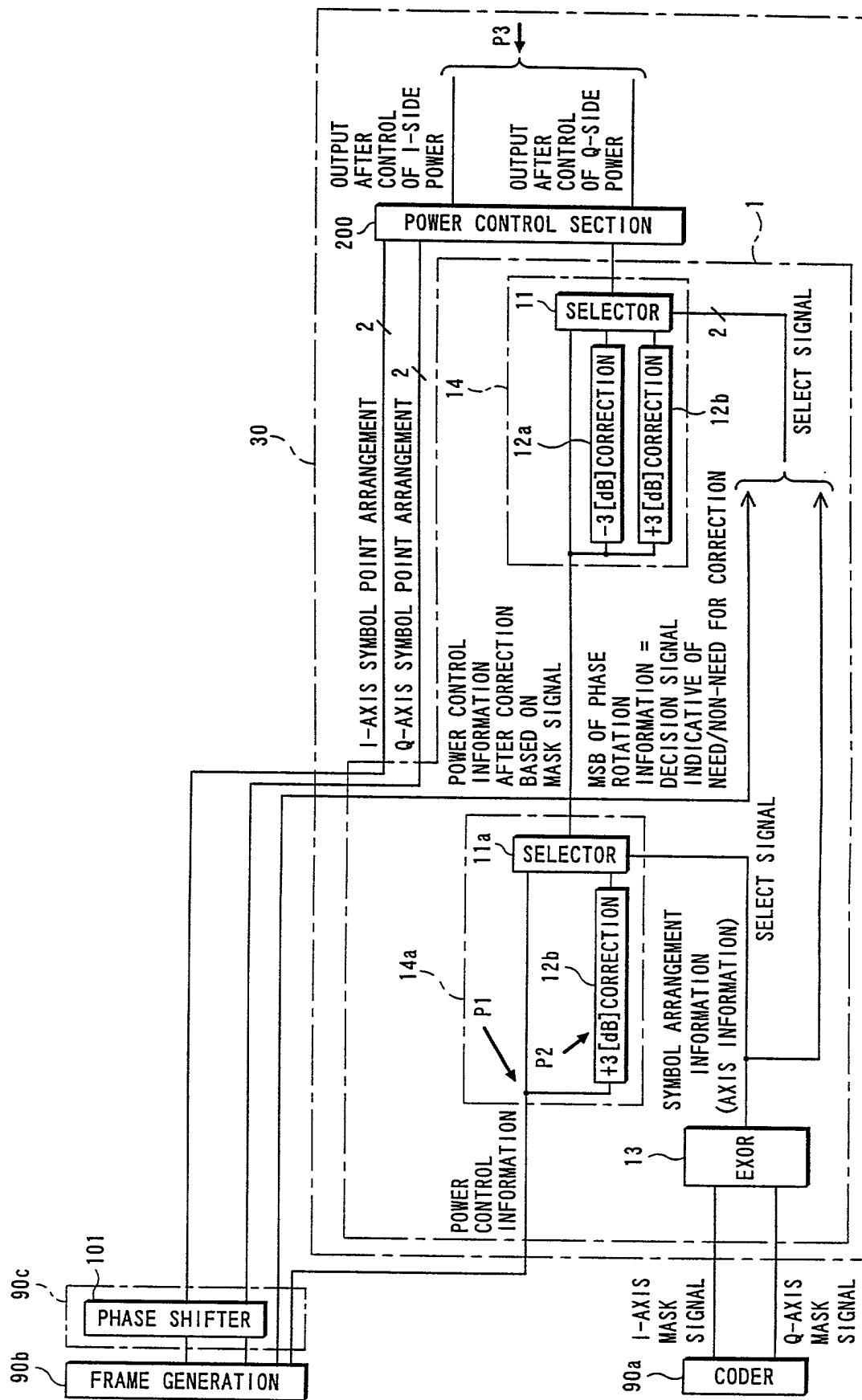


FIG. 4

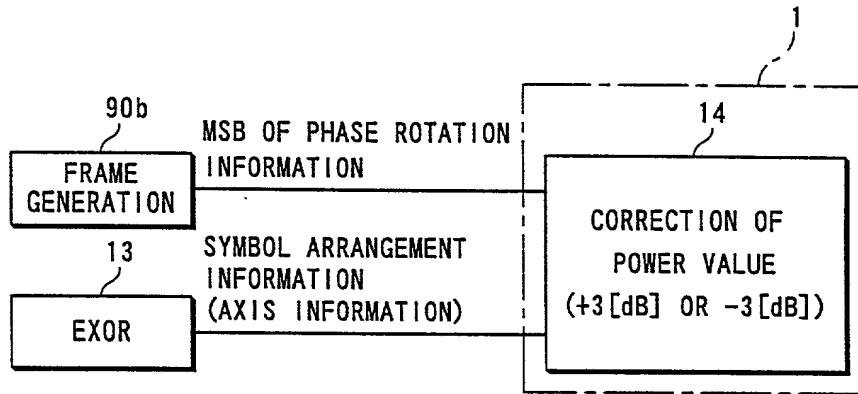


FIG. 5

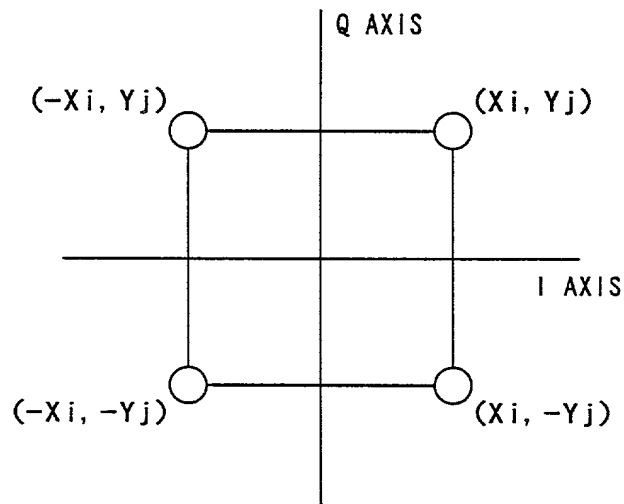


FIG. 6

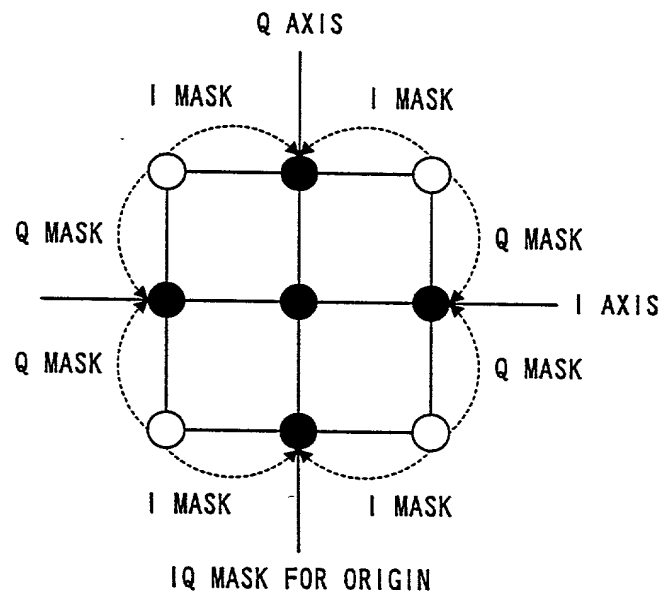


FIG. 7A

PHASE ROTATION QUANTITY [DEGREE]	ALLOCATION BIT
0	000
90	001
180	010
270	011
45	100
135	101
225	110
315	111

FIG. 7B

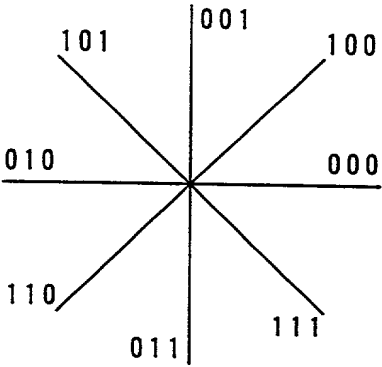


FIG. 8

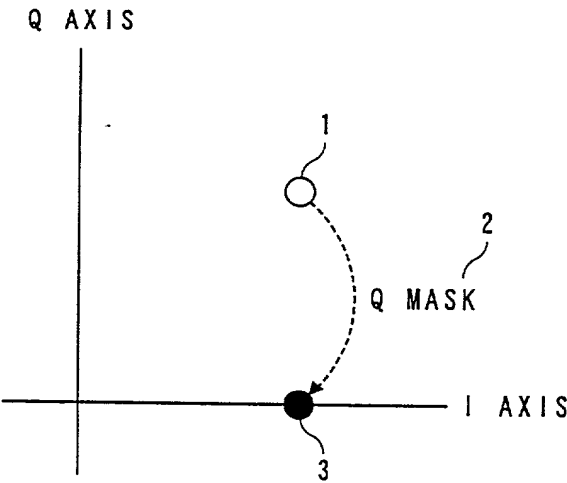
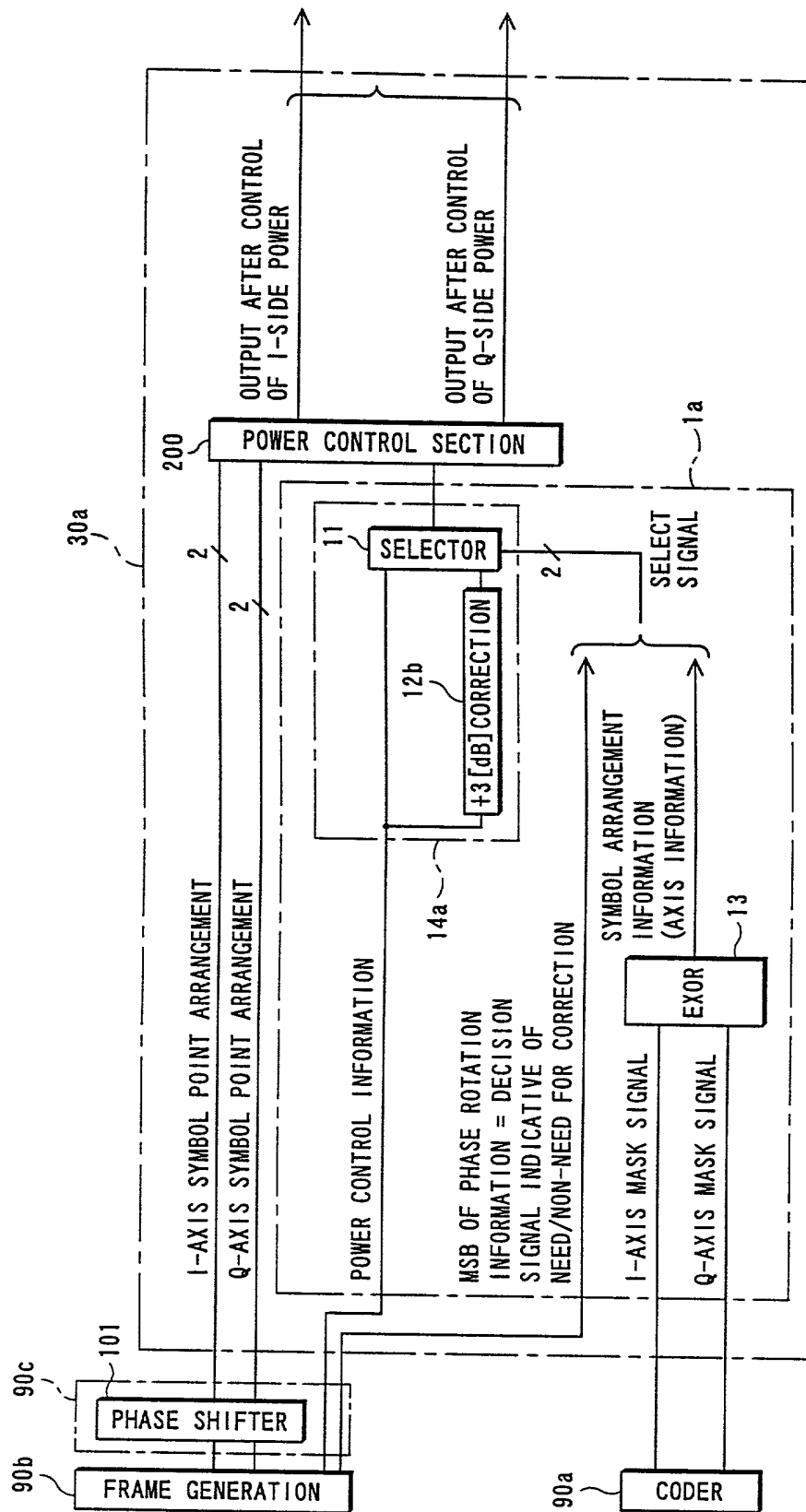


FIG. 9



**FIG. 10**

CASE	CORRECTION BASED ON NINE-POINT CONSTELLATION (= CORRECTION BASED ON MASK)		CORRECTION BASED ON PHASE ROTATION		TOTAL CORRECTION VALUE
	PRESENCE/ABSENCE OF MASK SIGNAL	CORRECTION VALUE	CONDUCT/NON-CONDUCT OF CORRECTION	CORRECTION VALUE	
a	ABSENT ( ○ )	0 [dB]	NON-CONDUCTED	0 [dB]	0 [dB]
b	PRESENT ( ● )	+3 [dB]	NON-CONDUCTED	0 [dB]	+3 [dB]
c	ABSENT ( ○ )	0 [dB]	CONDUCTED	+3 [dB]	+3 [dB]
d	PRESENT ( ● )	+3 [dB]	CONDUCTED	-3 [dB]	0 [dB]



FIG. 11A

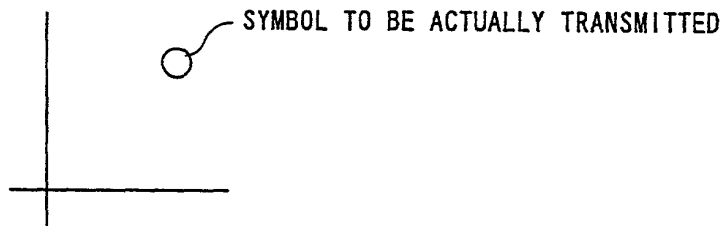


FIG. 11B

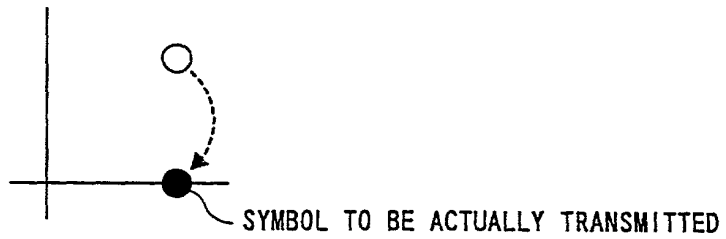


FIG. 11C

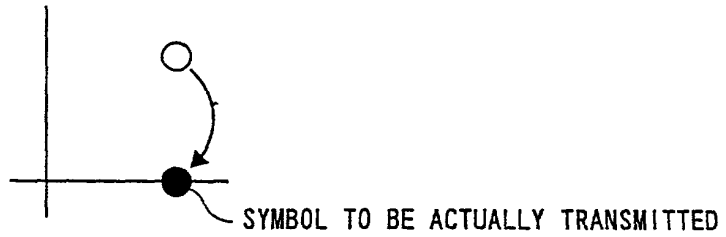
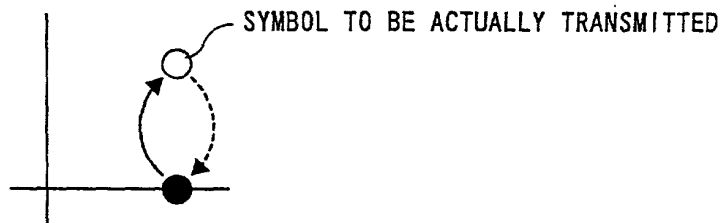


FIG. 11D



- COMMON QPSK SYMBOL
- MASK SIGNAL, OR SYMBOL SHIFTED BY PHASE ROTATION
- > SHIFT OF SYMBOL POINT BY MASK SIGNAL
- > SHIFT OF SYMBOL POINT BY PHASE ROTATION

FIG. 12

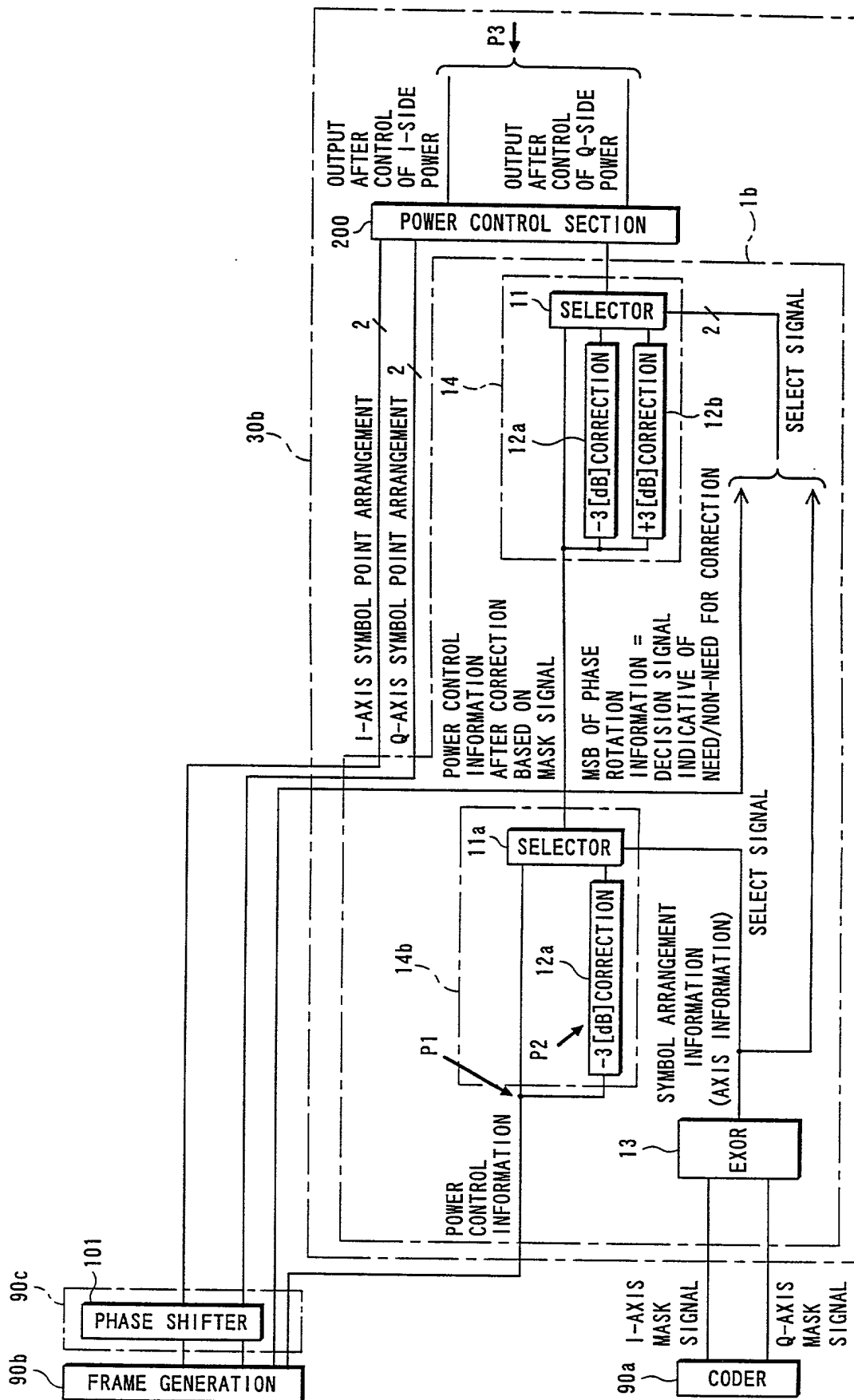


FIG. 13

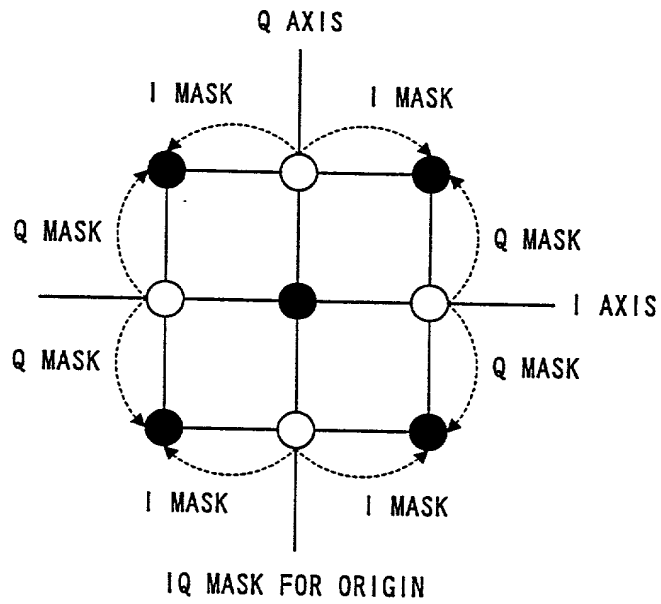


FIG. 14

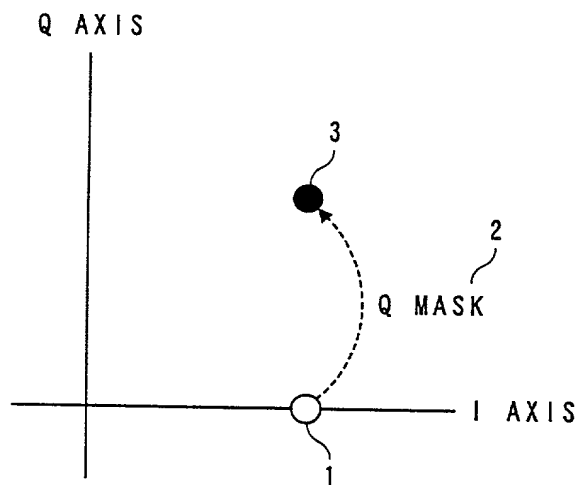


FIG. 15

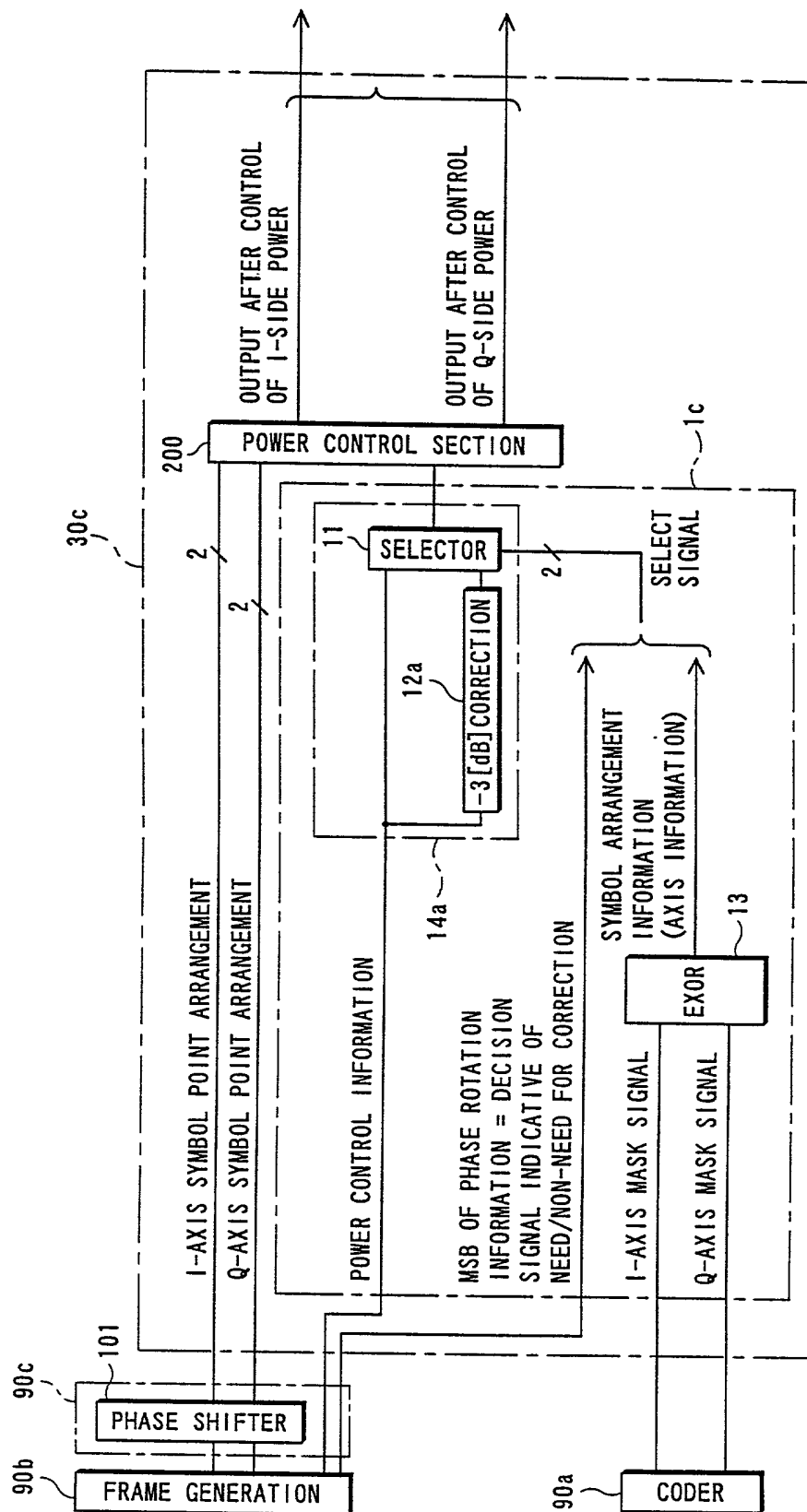


FIG. 16

CASE	CORRECTION BASED ON NINE-POINT CONSTELLATION (= CORRECTION BASED ON MASK)		CORRECTION BASED ON PHASE ROTATION		TOTAL CORRECTION VALUE
	PRESENCE/ABSENCE OF MASK SIGNAL	CORRECTION VALUE	CONDUCT/NON-CONDUCT OF CORRECTION	CORRECTION VALUE	
a	ABSENT ( ○ )	0 [dB]	NON-CONDUCTED	0 [dB]	0 [dB]
b	PRESENT ( ● )	-3 [dB]	NON-CONDUCTED	0 [dB]	-3 [dB]
c	ABSENT ( ○ )	0 [dB]	CONDUCTED	-3 [dB]	-3 [dB]
d	PRESENT ( ● )	-3 [dB]	CONDUCTED	+3 [dB]	0 [dB]

FIG. 17A

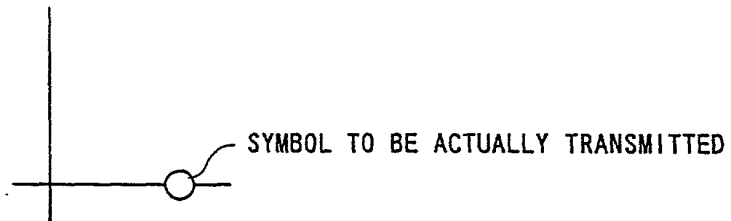


FIG. 17B

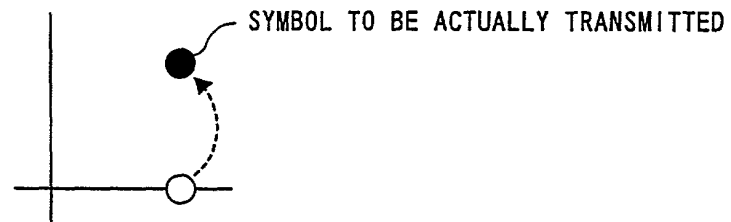


FIG. 17C

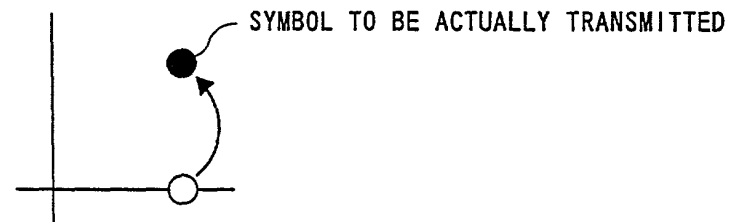
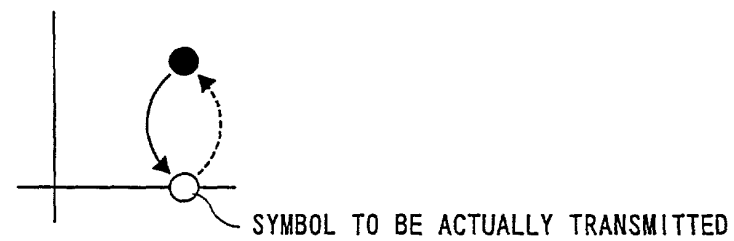


FIG. 17D



- COMMON QPSK SYMBOL
- MASK SIGNAL, OR SYMBOL SHIFTED BY PHASE ROTATION
- > SHIFT OF SYMBOL POINT BY MASK SIGNAL
- > SHIFT OF SYMBOL POINT BY PHASE ROTATION

FIG. 18

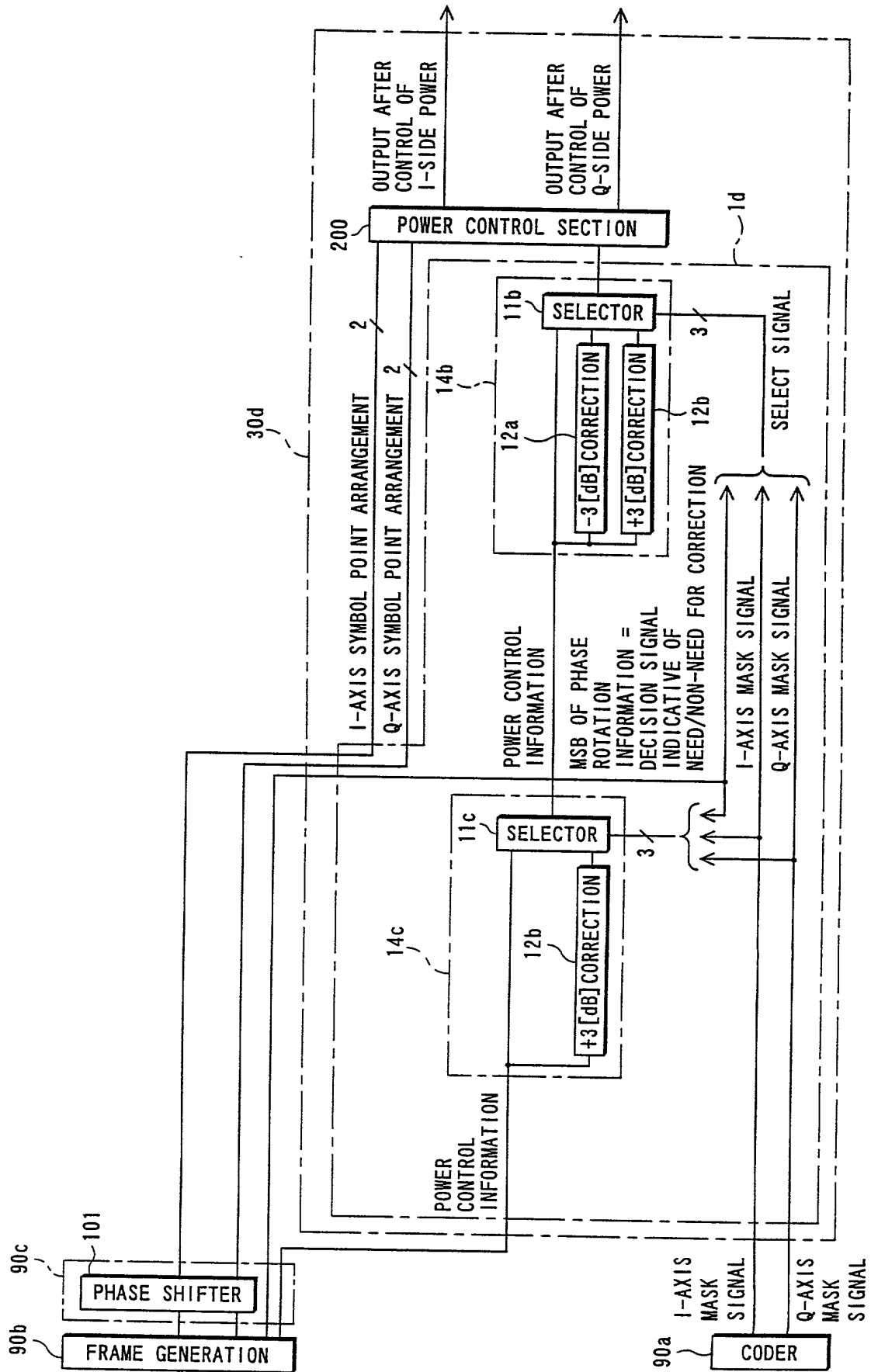






FIG. 20

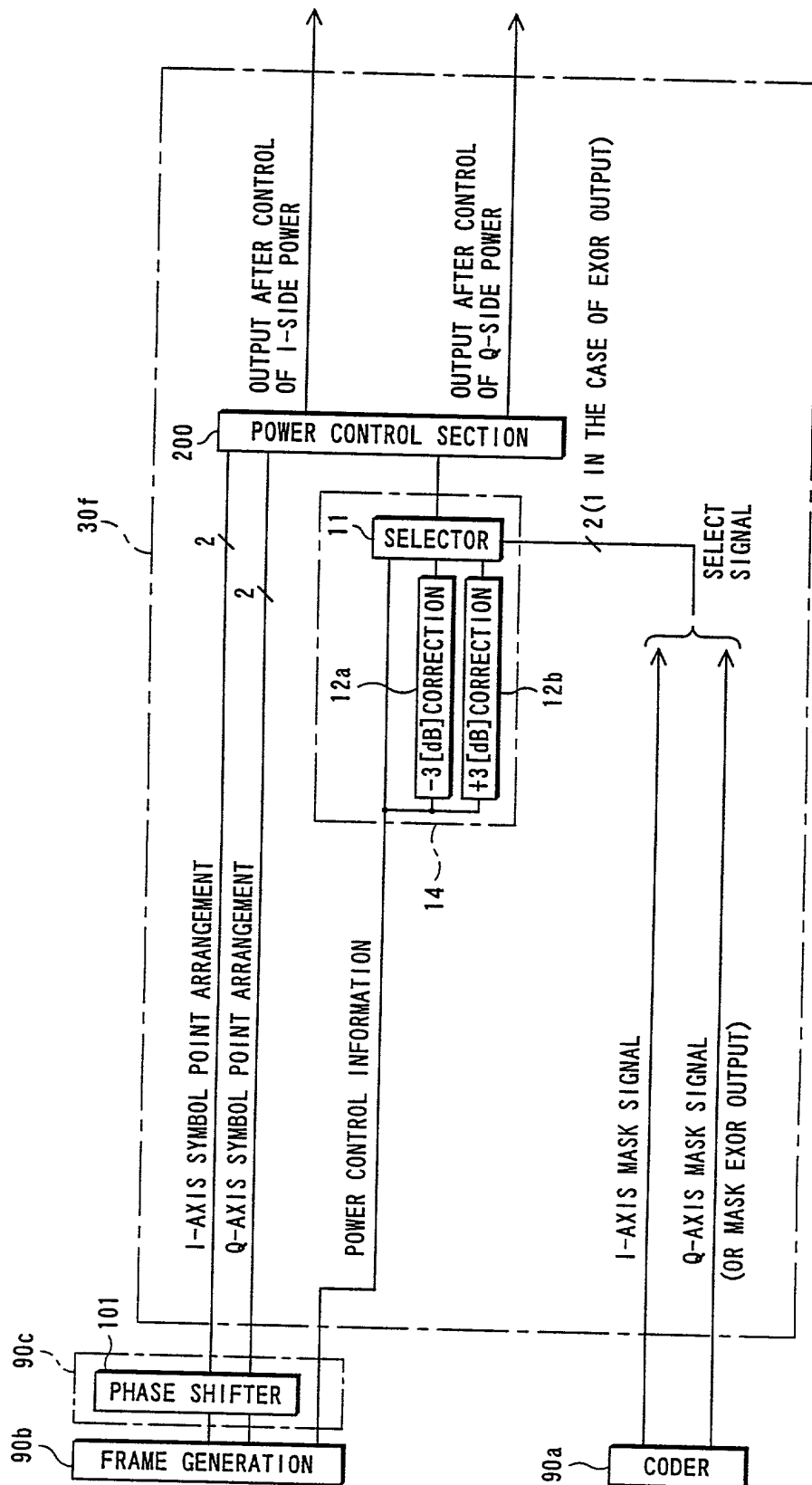


FIG. 21

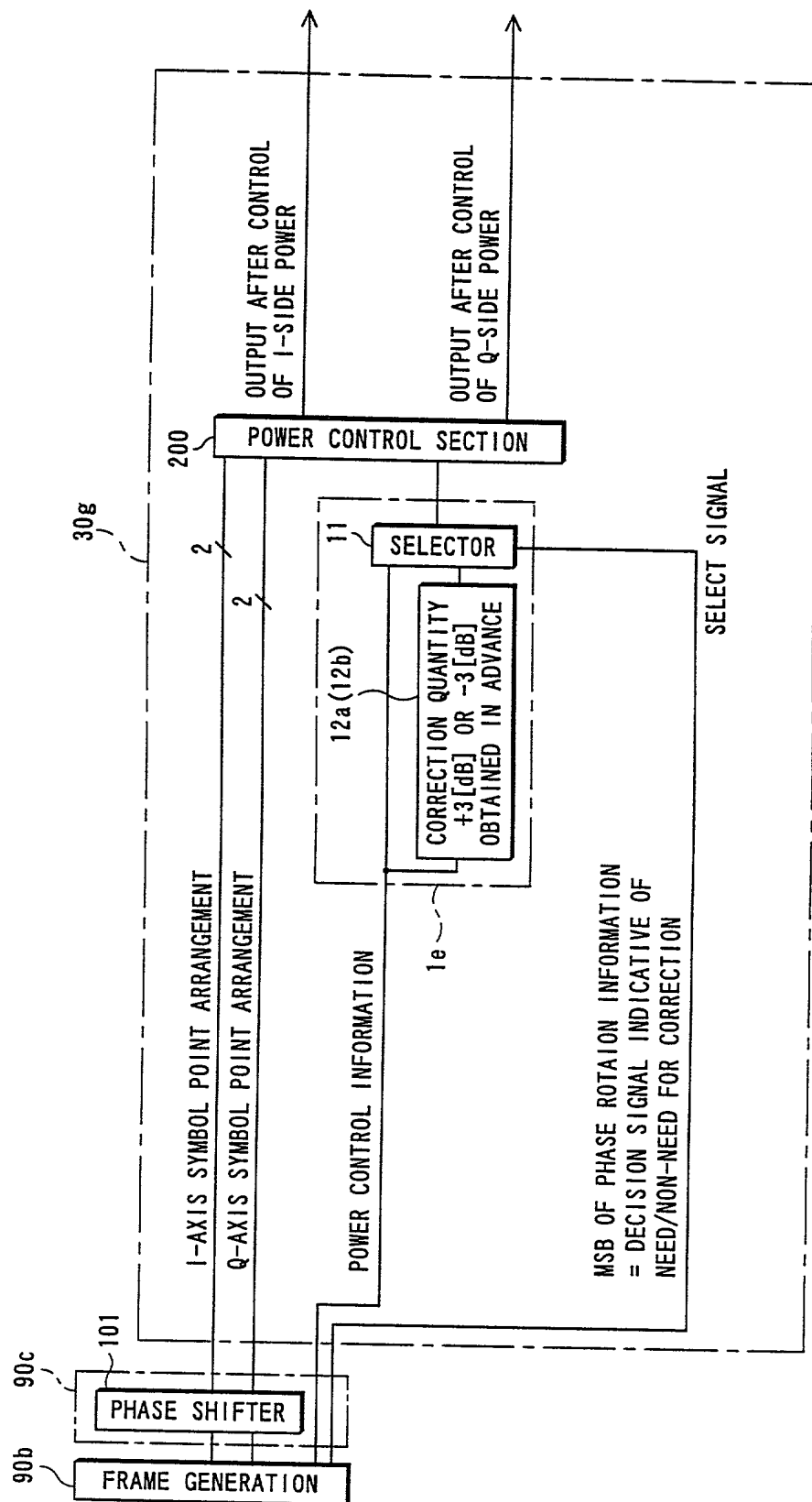


FIG. 22

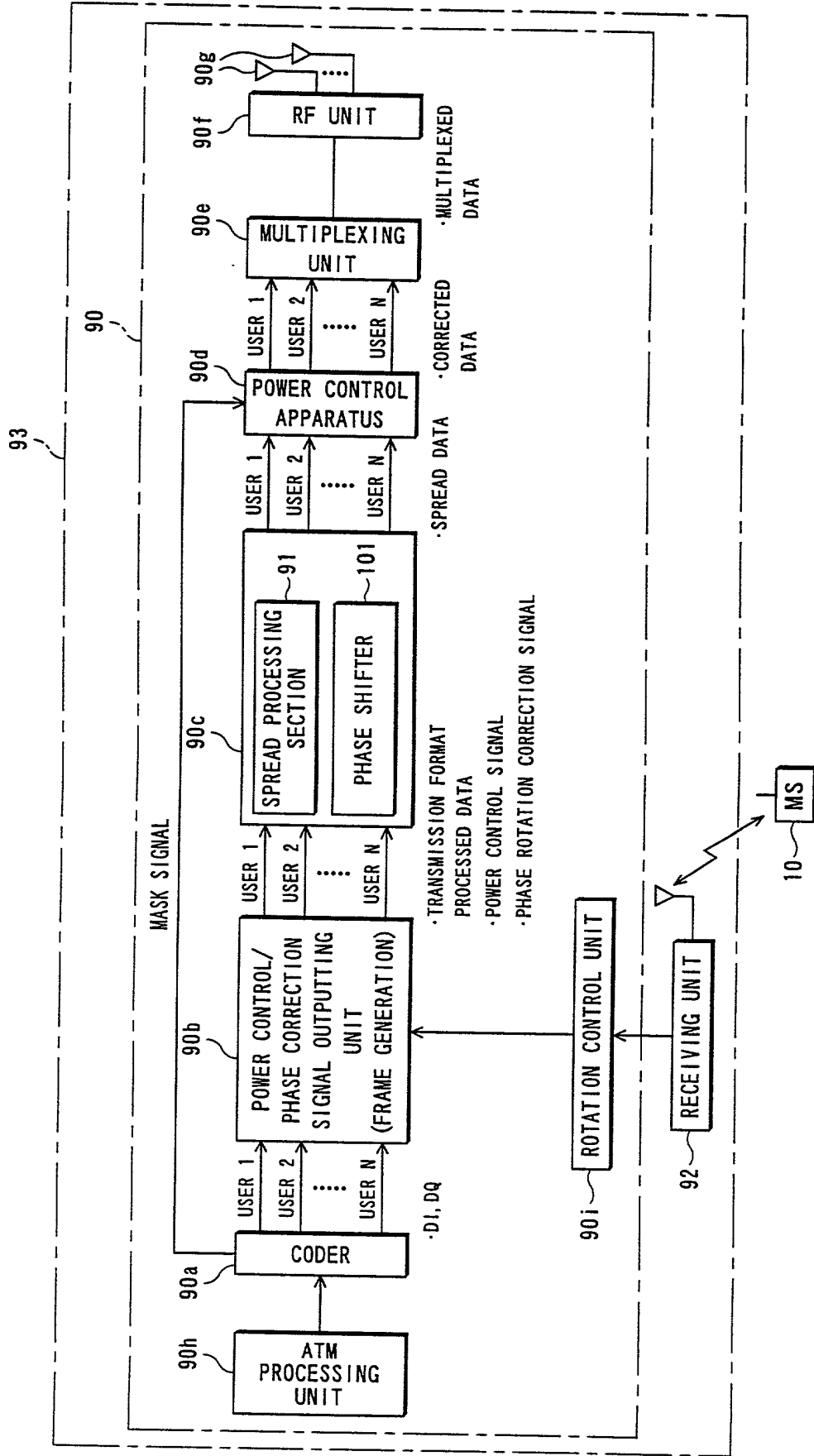
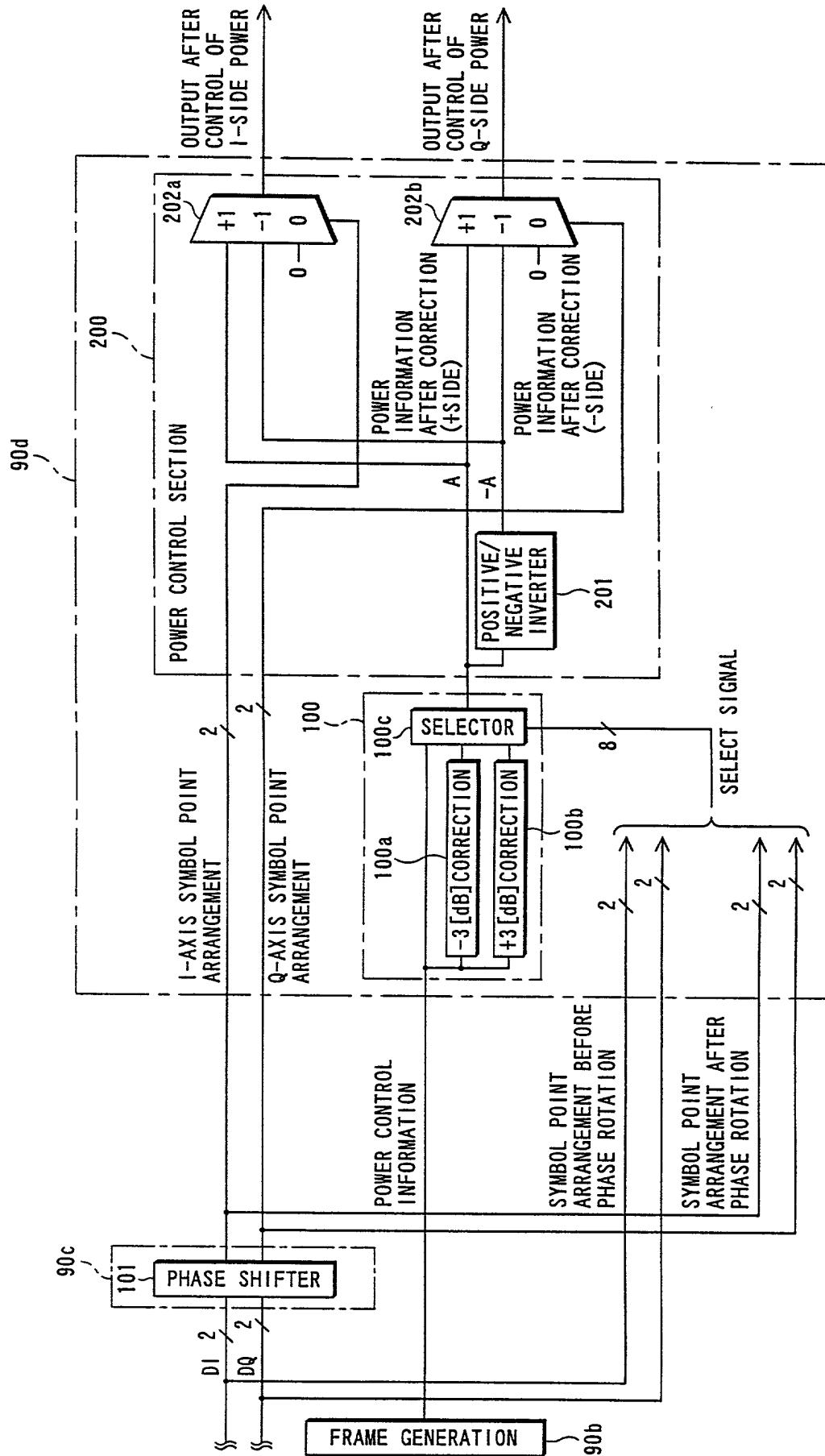
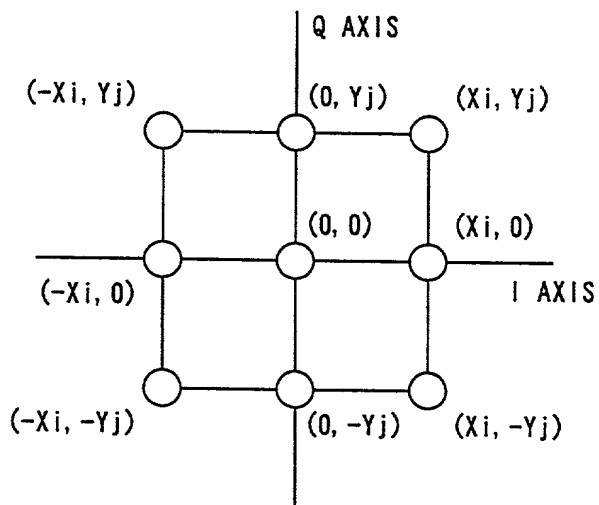


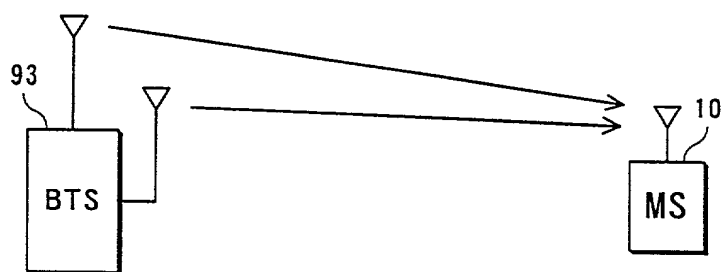
FIG. 23



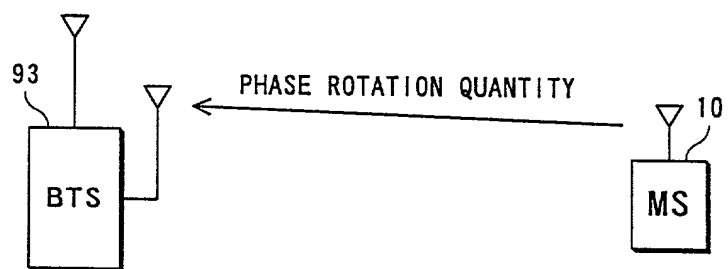
# FIG. 24



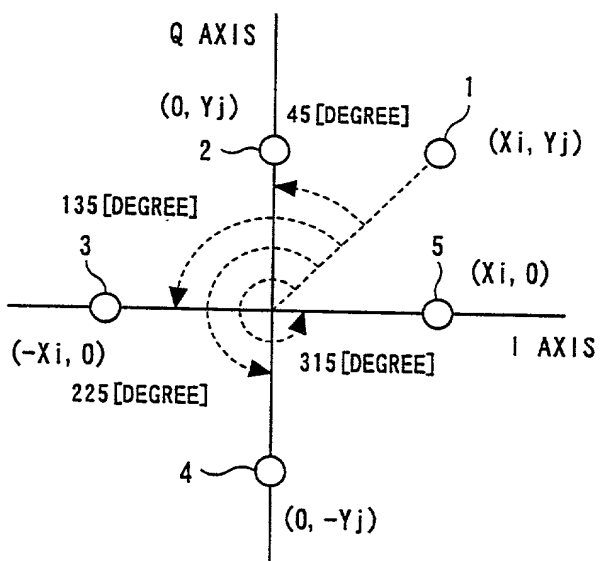
# FIG. 25A



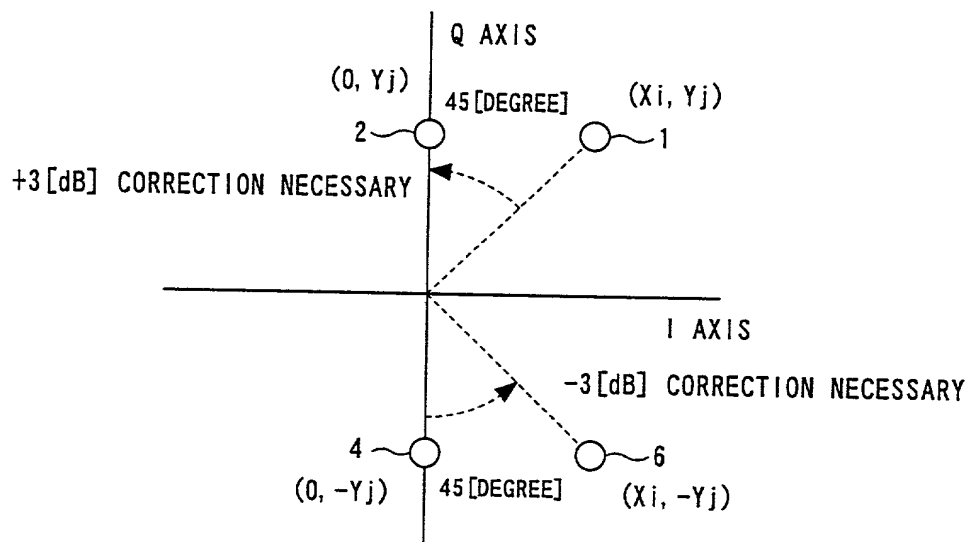
# FIG. 25B



# FIG. 26



# FIG. 27



# FIG. 28

